SHEET 1 OF 3

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INFORMATION DISCLOSURE STATEMENT	APPLICANTS: Gardner et al.
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U.S. PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
AA2	A1	4,833,080		Brent et al.			
	A2	5,416,008		Bailey et al.			
	A3	5,589,392		Short			
	A4	5,972,650		Yao			
AA2	A5	5,989,910A		Mermod et al.			

FOREIGN PATENT DOCUMENTS

EXAM. INIT.		DOCUMENT NUMBER	DATE	COUNTRY CODE	CLASS	SUB CLASS	FILING DATE	ABSTRACT ONLY	ENGLISH LANG (Y/N)
AA2	B1	0 136 907 A2	10/01/84						
AA2	B2	WO 00/32748	6/8/00						
AA2	B3	WO 00/65080	11/2/00						

OTHER ART, JOURNAL ARTICLES, ETC.

EXAM. INIT.		OTHER DOCUMENTS: (Including Author, Title, Date, Relevant Pages, Place of Publication)
AA2	C1	Amann et al., Vectors Bearing a Hybrid *trp-lac* Promoter Useful for Regulated Expression of Cloned Genes in *Escherichia coli*. (1983). *Gene* 25: 167-178.
AA2	C2	Amann et al., 'ATG Vectors' for Regulated High-Level Expression of Cloned Genes in *Escherichia coli*. (1985). *Gene* 40: 183-190.
AA2	C3	Backman et al., Maximizing Gene Expression on a Plasmid Using Recombination in Vitro. (1978). *Cell* 13: 65-71.
AA2	C4	Bailey et al., Molecular Genetics and Control Systems: Biochemical Engineering Fundamentals. Second Edition. Chapter 6: 307-372.
AA2	C5	Chen et al., Molecular Design of Expression Systems: Comparison of Different Repressor Control Configurations Using Molecular Mechanism Models. (1991). *Biotechnology and Bioengineering* 38: 679-687.
AA2	C6	Chen et al., Construction and characterization of a novel cross-regulation system for regulating cloned gene expression in *Escherichia coli*. (1993) *Gene* 130: 15-22

AA2	C7	Chen et al., Process Characterization of a novel cross-regulation system for cloned protein production in *Escherichia coli.* (1995). *Biotechno. Prog.* 11(4): 397-402.
	C8	Cohen, Total Control: Now you can keep bugs in line with genetic clocks and switches. (2000). *New Scientist.*
	C9	Crowl et al., Versatile expression vectors for high-level synthesis of cloned gene products in *Escherichia Coli.* (1985) *Gene* 38: 31-38.
	C10	Dedhia et al., Design of expression systems for metabolic engineering: coordinated synthesis and degradation of glycogen. (1997). *Biotechnol & Bioeng.* 55 (2): 420-426.
	C11	Gardner et al., Construction of a genetic toggle switch in *Escherichia coli.* (2000). *Nature.* 403: 339-342.
	C12	Gardner et al., Neutralizing noise in gene networks. (2000). *Nature* 405: 520-521.
	C13	Gardner, Design and Construction of Synthetic Gene Regulatory Networks. (2000). *Ph.D. Dissertation, Boston University.*
	C14	Goeddel et al., Expression in *Escherichia coli* of Chemically Synthesized Genes for Human Insulin. (1979) *Proc. Natl. Acad. Sci. USA*, 76 (1): 106-110.
	C15	Gorman et al., Regulation of the Yeast Metallothionein Gene. (1986). *Gene*, 48: 13-22.
	C16	Hadcock et al., Cross-regulation between G-protein-mediated Pathways, Stimulation of Adenylyl Cyclase Increases Expression of the Inhibitory G-protein G_{in2}. (1990). *The Journal of Biological Chemistry* 265 (25): 14784-14790.
	C17	Hadcock et al., Cross-regulation between G-protein-mediated Pathways, Activation of the Inhibitory Pathway of Adenylylcyclase Increases the Expression of β_2 Adrenergic Receptors. (1991). *The Journal of Biological Chemistry* 266 (18): 11915-11922.
	C18	Hasty et al., Noise-based switches and amplifiers for gene expression. (2000). *Proc. Natl. Acad. Sci.USA.* 97(5): 2075-80.
	C19	Kaufman, High Level Production of Proteins in Mammalian Cells. (1987). *Genetic Engineering: Principles and Methods* 9: 155-198.
	C20	Kramer et al., Isolation of Yeast Genes with mRNA levels controlled by phosphate concentration. (1980). *Proc. Natl. Acad. Sci. USA.* Vol. 77 (11): 6541-6545.
	C21	Lee et al., Genetically Structured Models for *lac* Promoter-Operator Function in the Chromosome and in Multicopy Plasmids: *lac* Promoter Function. (1984) *Biotechnology and Bioengineering* XXVI: 1383-1389.
	C22	Lee et al., Genetically Structured Models for *lac* Promoter-Operator Function in the *Escherichia coli* Chromosome and in Multicopy Plasmids: *lac* Operator Function. (1984). *Biotechnology and Bioengineering* XXVI: 1372-1382.
	C23	Monod et al., General Conclusions: Teleonomic Mechanisms in Cellular Metabolism, Growth, and Differentiation. (1961). *Cold Spring Harbor Symposia on Quantitative Biology* XXVI: 389-401
	C24	Moser et al., Characterization and Complementation of pMB1 Copy Number Mutant: Effect of RNA 1 Gene Dosage on Plasmid Copy Number and Incompatibility. (1983). *Journal of Bacteriology* 154 (2): 809-818.
	C25	Oshima, Regulatory Circuits for Gene Expression: The Metabolism of Galactose and Phosphate. (1982). *The Molecular Biology of the Yeast Saccharomyces: Metabolism and Gene Expression*: 159-180.
AA2	C26	PCT International Search Report from PCT/US99/28592.

AAA	C27	Platt, Regulation of Gene Expression in the Tryptophan Operon of *Escherichia coli*. (1975). *The Operon*: 263-302.
	C28	Ptashne, Repressor and Its Action. (1971). *The Bacteriophage Lambda* 11: 221-237.
	C29	Seo et al., Effects of Recombinant Plasmid Content on Growth Properties and Cloned Gene Product Formation in *Escherichia coli*. (1985). *Biotechnology and Bioengineering* XXVII: 1668-1674.
	C30	Shockett et al., Diverse strategies for tetracycline-regulated inducible gene expression. (1996). *Proc. Natl. Acad. Sci. USA*. 93: 5173-5176.
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AAA	C32	Windass et al., The construction of a synthetic *Escherichia coli trp* promoter and its use in the expression of a synthetic interferon gene. (1982). *Nucleic Acids Research*. 10 (21): 6639-6657.

EXAMINER	Gerald A. Schwartz	**DATE CONSIDERED**	4/7/03

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